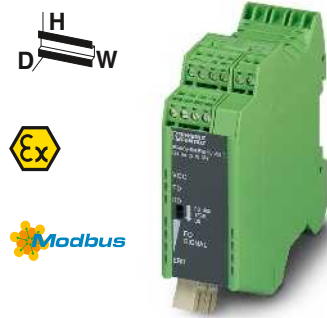




RS-485 2-wire  
polymer and PCF fibers



RS-485 2-wire  
PCF and fiberglass  
(multi mode)



RS-485 2-wire  
fiberglass  
(multi mode and single mode)



Technical data	
18 V DC ... 30 V DC	18 V DC ... 30 V DC
100 mA (24 V DC)	120 mA (24 V DC)
RS-485 interface, 2-wire	RS-485 interface, 2-wire
UART (11/10 bit switchable; NRZ), slip-tolerant	UART (11/10 bit switchable; NRZ), slip-tolerant
390 Ω / 220 Ω / 390 Ω (can be connected)	390 Ω / 220 Ω / 390 Ω (can be connected)
4.8/ 9.6/ 19.2/ 38.4/ 57.6/ 75/ 93.75/ 115.2/ 136/ 187.5/ 375/ 500 kbps	4.8/ 9.6/ 19.2/ 38.4/ 57.6/ 75/ 93.75/ 115.2/ 136/ 187.5/ 375/ 500 kbps
≤ 1200 m (depending on the data rate, with shielded, twisted data cable)	≤ 1200 m (depending on the data rate, with shielded, twisted data cable)
Plug-in screw connection	Plug-in screw connection
F-SMA	B-FOC (ST®)
660 nm	850 nm
100 m (with F-P 980/1000 230 dB/km with quick mounting plug)	2800 m (with F-K 200/230 8 dB/km with quick mounting plug)
800 m (with F-K 200/230 10 dB/km with quick mounting plug)	4200 m (with F-G 50/125 2.5 dB/km)
3300 m (with F-G 62.5/125 3.0 dB/km)	
< 1 bit	< 1 bit
60 V DC / 42 V AC; 0.46 A	60 V DC / 42 V AC; 0.46 A
1.5 kV <sub>rms</sub> (50 Hz, 1 min.)	1.5 kV <sub>rms</sub> (50 Hz, 1 min.)
-20 °C ... 60 °C	-20 °C ... 60 °C
35 mm / 99 mm / 105 mm	35 mm / 99 mm / 105 mm
Class A product, see page 527	Class A product, see page 527
Ex II 3 G Ex nAC IIC T4 X	Ex II 3 G Ex nAC IIC T4 X
Ex II (2) GD [Ex op is] IIC (PTB 06 ATEX 2042 U)	Ex II (2) GD [Ex op is] IIC (PTB 06 ATEX 2042 U)
Class I, Zone 2, AEx nc IIC T5	Class I, Zone 2, AEx nc IIC T5
Class I, zone 2, Ex nC nL IIC T5 X	Class I, zone 2, Ex nC nL IIC T5 X
Class I, Div. 2, Groups A, B, C, D	Class I, Div. 2, Groups A, B, C, D

Technical data	
18 V DC ... 30 V DC	18 V DC ... 30 V DC
100 mA (24 V DC)	120 mA (24 V DC)
RS-485 interface, 2-wire	RS-485 interface, 2-wire
UART (11/10 bit switchable; NRZ), slip-tolerant	UART (11/10 bit switchable; NRZ), slip-tolerant
390 Ω / 220 Ω / 390 Ω (can be connected)	390 Ω / 220 Ω / 390 Ω (can be connected)
4.8/ 9.6/ 19.2/ 38.4/ 57.6/ 75/ 93.75/ 115.2/ 136/ 187.5/ 375/ 500 kbps	4.8/ 9.6/ 19.2/ 38.4/ 57.6/ 75/ 93.75/ 115.2/ 136/ 187.5/ 375/ 500 kbps
≤ 1200 m (depending on the data rate, with shielded, twisted data cable)	≤ 1200 m (depending on the data rate, with shielded, twisted data cable)
Plug-in screw connection	Plug-in screw connection
F-SMA	B-FOC (ST®)
660 nm	850 nm
100 m (with F-P 980/1000 230 dB/km with quick mounting plug)	2800 m (with F-K 200/230 8 dB/km with quick mounting plug)
800 m (with F-K 200/230 10 dB/km with quick mounting plug)	4200 m (with F-G 50/125 2.5 dB/km)
3300 m (with F-G 62.5/125 3.0 dB/km)	
< 1 bit	< 1 bit
60 V DC / 42 V AC; 0.46 A	60 V DC / 42 V AC; 0.46 A
1.5 kV <sub>rms</sub> (50 Hz, 1 min.)	1.5 kV <sub>rms</sub> (50 Hz, 1 min.)
-20 °C ... 60 °C	-20 °C ... 60 °C
35 mm / 99 mm / 105 mm	35 mm / 99 mm / 105 mm
Class A product, see page 527	Class A product, see page 527
Ex II 3 G Ex nAC IIC T4 X	Ex II 3 G Ex nAC IIC T4 X
Ex II (2) GD [Ex op is] IIC (PTB 06 ATEX 2042 U)	Ex II (2) GD [Ex op is] IIC (PTB 06 ATEX 2042 U)
Class I, Zone 2, AEx nc IIC T5	Class I, Zone 2, AEx nc IIC T5
Class I, zone 2, Ex nC nL IIC T5 X	Class I, zone 2, Ex nC nL IIC T5 X
Class I, Div. 2, Groups A, B, C, D	Class I, Div. 2, Groups A, B, C, D

Technical data	
18 V DC ... 32 V DC	18 V DC ... 32 V DC
55 mA (24 V DC)	55 mA (24 V DC)
RS-485 interface, 2-wire	RS-485 interface, 2-wire
UART (11/10 bit switchable; NRZ), slip-tolerant	UART (11/10 bit switchable; NRZ), slip-tolerant
390 Ω / 220 Ω / 390 Ω (can be connected)	390 Ω / 220 Ω / 390 Ω (can be connected)
4.8/ 9.6/ 19.2/ 38.4/ 57.6/ 75/ 93.75/ 115.2/ 136/ 187.5/ 375/ 500 kbps	4.8/ 9.6/ 19.2/ 38.4/ 57.6/ 75/ 93.75/ 115.2/ 136/ 187.5/ 375/ 500 kbps
≤ 1200 m (depending on the data rate, with shielded, twisted data cable)	≤ 1200 m (depending on the data rate, with shielded, twisted data cable)
Plug-in screw connection	Plug-in screw connection
SC duplex	SC duplex
1300 nm	1300 nm
25 km (with F-G 50/125 0.7 dB/km at 1300 nm)	25 km (with F-G 50/125 0.7 dB/km at 1300 nm)
22 km (with F-G 62.5/125 0.8 dB/km at 1300 nm)	22 km (with F-G 62.5/125 0.8 dB/km at 1300 nm)
45 km (with F-E 9/125 0.4 dB/km at 1300 nm)	45 km (with F-E 9/125 0.4 dB/km at 1300 nm)
< 1 bit	< 1 bit
60 V DC / 42 V AC; 1 A	60 V DC / 42 V AC; 1 A
1.5 kV <sub>rms</sub> (50 Hz, 1 min.)	1.5 kV <sub>rms</sub> (50 Hz, 1 min.)
-20 °C ... 60 °C	-20 °C ... 60 °C
35 mm / 99 mm / 105 mm	35 mm / 99 mm / 105 mm
Class A product, see page 527	Class A product, see page 527
Ex II 3 G Ex nA nC IIC T4 Gc X	Ex II 3 G Ex nA nC IIC T4 Gc X
508 listed	508 listed
508 recognized	508 recognized

Ordering data		
Type	Order No.	Pcs. / Pkt.
PSI-MOS-RS485W2/FO 660 E	2708313	1
PSI-MOS-RS485W2/FO 660 T	2708300	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
PSI-MOS-RS485W2/FO 850 E	2708339	1
PSI-MOS-RS485W2/FO 850 T	2708326	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
PSI-MOS-RS485W2/FO1300 E	2708562	1

Accessories		
ME 17,5 TBUS 1,5/ 5-ST-3,81 GN	2709561	10
ME 17,5 TBUS 1,5/PP000-3,81 BK	2890014	10
MINI-SYS-PS-100-240AC/24DC/1.5	2866983	1

Accessories		
ME 17,5 TBUS 1,5/ 5-ST-3,81 GN	2709561	10
ME 17,5 TBUS 1,5/PP000-3,81 BK	2890014	10
MINI-SYS-PS-100-240AC/24DC/1.5	2866983	1

Accessories		
ME 17,5 TBUS 1,5/ 5-ST-3,81 GN	2709561	10
ME 17,5 TBUS 1,5/PP000-3,81 BK	2890014	10
MINI-SYS-PS-100-240AC/24DC/1.5	2866983	1

